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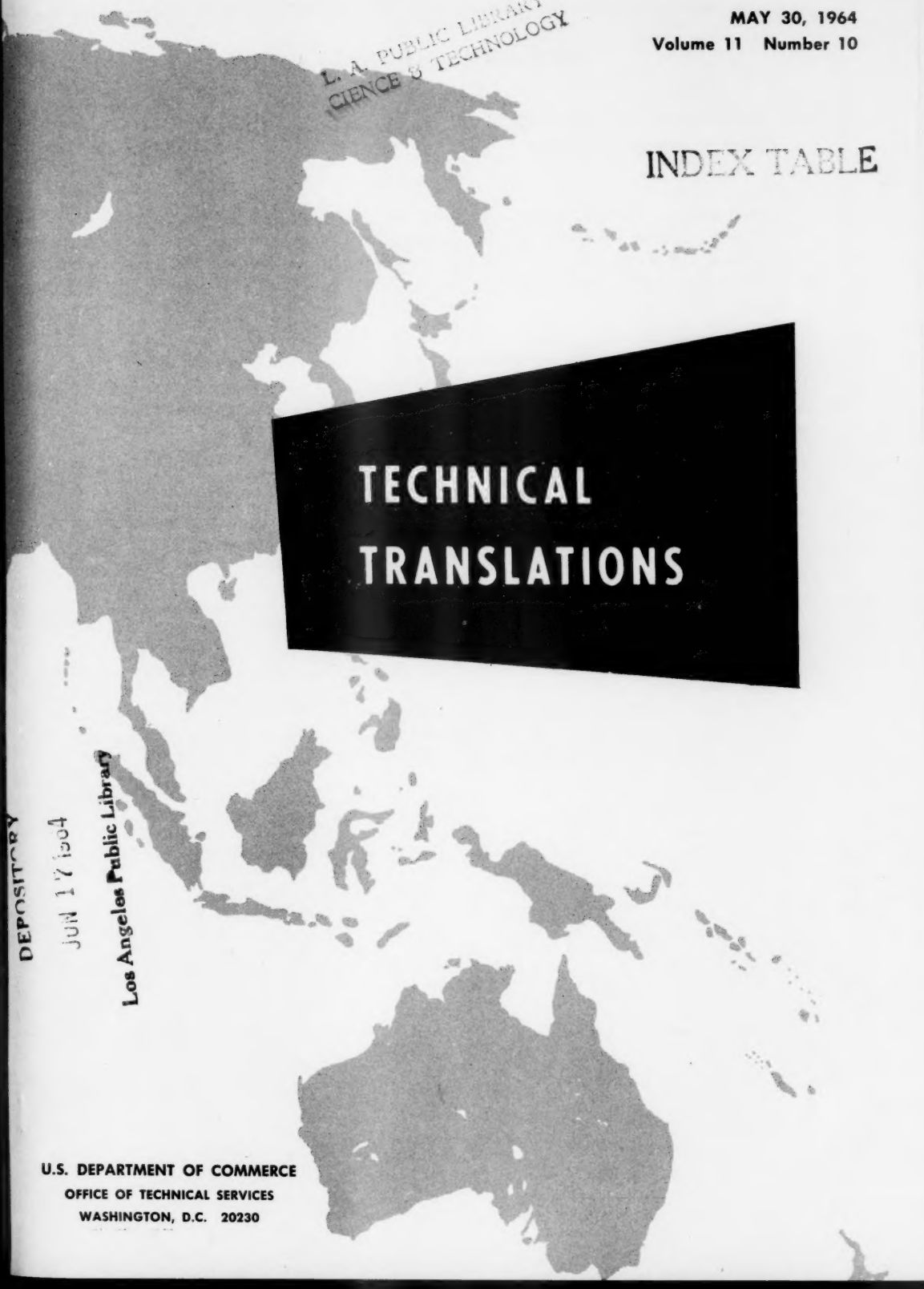

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TECHNICAL TRANSLATIONS

U.S. DEPARTMENT OF COMMERCE
Luther H. Hodges, *Secretary*

OFFICE OF TECHNICAL SERVICES
Donald A. Schon, *Director*

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References to sources of original text are given as they appear on the translation, with sufficient editing to assure uniformity in citations.

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P. O. Box 46354
Hollywood,
California 90046

AGI
AGI Translations Office
American Geological Institute
2101 Constitution Ave., N. W.
Washington, D. C. 20000

AGS
American Geographical Society
Broadway at 156th Street
New York, New York 10032

AGU
American Geophysical Union
1515 Massachusetts Ave., N. W.
Washington, D. C. 20005

AIAA
American Institute of Aeronautics & Astronautics
500 Fifth Avenue
New York, New York 10036

AIBS
American Institute of Biological Sciences
2000 P Street, N. W.
Washington, D. C. 20006

AIP
American Institute of Physics
335 East 45th Street
New York, New York 10017

AIS
Argus Information Service
624 N. Eutaw Street
Baltimore, Maryland 21201

AM
Acta Metallurgica
122 East 55th Street
New York, New York 10022

AMS
American Mathematical Society
190 Hope Street
Providence, Rhode Island 02906

ANSP
Academy of Natural Sciences of Philadelphia
19th St. & The Parkway
Philadelphia, Pennsylvania 19103

API
Academic Press, Inc.
111 Fifth Ave.,
New York, New York 10003

ARS
American Rocket Society, Inc.
20th and Northampton Streets
Easton, Pennsylvania 18042

ATS
Associated Technical Services, Inc.
P. O. Box 271
East Orange, New Jersey 07017

BGIRA
British Glass Industry Research Association
Northumberland Road
Sheffield 10, England

BIHR
Circulation Manager
Translations of the Beltone Institute for Hearing Research
2900 West 36th Street
Chicago, Illinois 60632

BISI
British Iron & Steel Industry Translation Service
The Iron and Steel Institute
4, Grosvenor Gardens
London, S. W. 1, England

BWRA
British Welding Research Association
Abington Hall, Abington
Cambridge, England

CB
Consultants Bureau Enterprises Inc.
227 West 17th Street
New York, New York 10011

CCT
Consultants Custom Translations Inc.
227 West 17th Street
New York, New York 10011

CHP
Cleaver-Hume Press, Ltd.
31, Wright's Lane
London, W. 8, England

CID
Centro de Informacion y Documentacion
Patronato Juan de la Cierva,
Serrano 150, Apartado 743,
Madrid 6, Spain

CIDNT
Centralny Instytut Dokumentacji Naukowo-Technicznej
Warszawa 12
Aleja Niepodleglosci 188
Poland

CNP
Comitato Nazionale per la Produttivita
Service d'Information
Viale Regina Margherita N. 83D
Rome, Italy

CNRS
Centre National de la Recherche Scientifique
Centre de Documentation
15 Quai Anatole France
Paris 7, France

CSIRO
Commonwealth Scientific and Industrial Research Organization
Information Service
314 Albert Street
East Melbourne C. 2, Victoria
Australia

CTRA
The Librarian
The Coal Tar Research Association
Oxford Road
Gomersal, Leeds, England

CTS (Chem)
Chemical Translating Service
2243 Greer Road
Palo Alto, California 94300

CTT
Columbia Technical Translations
5 Vermont Avenue
White Plains, New York 10600

DI
Circulation Unit
Department of the Interior
Central Library
Room 1149
Washington, D.C. 20240

DTC
Danish Translations Centre,
c/o Library of the Danish Atomic Energy Commission,
Riso. Roskilde, Denmark

EIS
Engineering Information Services
Kirkham, Preston, Lancashire,
England

ES
Erica Stux
584 Moreley Avenue
Akron, Ohio 44320

ETC
European Translations Centre
Doelenstraat 101, Delft,
The Netherlands

FASEB
Federation of American Societies for Experimental Biology
9650 Wisconsin Avenue
Washington, D.C. 20014

FRI
Fulmer Research Institute, Ltd.
Stoke Poges,
Buckinghamshire,
England

FT
Faraday Translations
15 Park Row
New York, New York 10038

GB
Gordon and Breach
Publishers, Inc.
150 Fifth Avenue
New York, New York 10011

GPO
Superintendent of Documents
Government Printing Office
Washington, D.C. 20402

GPRC
Geophysical & Polar Research Center
6021 S. Highland Road
Madison, Wisconsin 53706

HB
Henry Brutcher
P.O. Box 157
Altadena, California 91001

HMSO
Her Majesty's Stationery Office
P.O. Box 569
London, S.E. 1, England

HTCBN
Hungarian Trading Company for Books and Newspapers "Kultura"
Budapest 62, P.O. Box 149

ICE
International Chemical Engineering
345 East 47th Street
New York, New York 10017

IEEE
Institute of Electrical & Electronics Engineers
275 Madison Avenue
New York, New York 10016

INFOSERV
Infoserv
P. O. Box 217
West Hartford, Connecticut 06097

INT
International Patent Service N.V.
P.O. Box 101
's-Hertogenbosch,
The Netherlands

IP
Interscience Publishers, Inc.
250 Fifth Avenue
New York, New York 10001

IPST
Israel Program for Scientific Translation
14 Shammai Street
P.O. Box 7145
Jerusalem, Israel

ISA
Instrument Society of America
530 William Penn Place
Pittsburgh, Pennsylvania 15219

K-H
Kresge-Hooker Science Library Associates
Wayne State University
Detroit, Michigan 48202

LAND-AIR
Land-Air, Inc.
Pacific Missile Range
Point Mugu, California 95468

LC
Photoduplication Service
Publication Board Project
Library of Congress
Washington, D.C. 20540

LSA
Literature Service Associates
Route 1
Bound Brook, New Jersey 08805

MACL
Maclaren and Sons, Ltd.
Maclaren House
131 Great Suffolk Street
London, S.E. 1, England

MACM
Macmillan Co.
60 Fifth Avenue
New York, New York 10011

MDF
Morris D. Friedman
7553 Waterford Drive
San Jose, California 95129

MT
M. de O. Tollemache
Pennyford Cottage,
Burrington,
Umberleigh, Devon, England

MUL
Mulholland Engineering Translations
26 Burton Woods Lane
Cincinnati, Ohio 45229

NASA
National Aeronautics & Space Administration
1520 H Street, N. W.
Washington, D. C. 20546

NRCC
National Research Council Library
Ottawa 2, Canada

OB
Oliver & Boyd, Ltd.
Tweeddale Court
14 High Street
Edinburgh 1, Scotland

OSA
Optical Society of America, Inc.
33 University Road
Cambridge, Massachusetts 02138

OTS
Office of Technical Services
Department of Commerce
Washington, D. C. 20230
(Also available through Department of Commerce Field Offices)

PERA
The Information Manager
Production Engineering Research Association
Melton Mowbray
Leicestershire, England

PLP
Plenum Press, Inc.
227 West 17th Street
New York, New York 10011

PP
Pergamon Press
122 East 55th Street
New York, New York 10022

PS
Primary Sources
11 Bleecker Street
New York, New York 10012

RIA
Research International Associates
1522 Connecticut Avenue, N. W.
Washington, D. C. 20006

RIS
Research Information Service
Div. of Maxwell Scientific International, Inc.
122 East 55th Street
New York, New York 10022

RIS
Research Information Service
Div. of Pergamon International Corp.
122 East 55th Street
New York, New York 10022

SA
Seizaburo Aoki
1069 Minami Nakadori 2-chome
Fujisawa, Japan

SIAM
Business Manager
SIAM Publications
Box 7541
Philadelphia, Pennsylvania 19100

SIC
Scientific Information Consultants Limited
661 Finchley Road
London N. W. 2, England

SLA
SLA Translations Center
The John Crerar Library
35 West 33rd Street
Chicago, Illinois 60616

ST
Scripta Technica, Inc.
1000 Vermont Avenue, N. W.
Washington, D. C. 20005

STS
Scientific Translation Service
1938 Verdugo Knolls Drive
Glendale, California 91200

STT
SCIENTECH, Scientific & Technical Translations
P. O. Box 3530
Cleveland, Ohio 44118

TF
Taylor & Francis Ltd.
Red Lion Court, Fleet Street
London, E. C. 4, England

TDL
Mr. John Wiley
Technical Development Laboratories
P. O. Box 769
Savannah, Georgia 31400

TIB
Technische Informationsbibliothek
Am Welfengarten 1,
Hannover, West Germany

TIC
Technical Information Company
Patents Department
Chancery House
Chancery Lane
London, W. C. 2, England

TTIS
Translation & Technical Information Services
32 Manaton Road
London, S. E. 15, England

WBI
Warren Birkenhead, Inc.
901 Northern Life Tower
Seattle, Washington 98101
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TECHNICAL TRANSLATIONS

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This index is a record of the publications in the Russian language issued in and outside the Soviet Union that are currently received by the Library of Congress and a group of cooperating libraries. Wherever possible, publications printed in other languages spoken in the Soviet Union are also included. It consists of three parts; Part A lists monographic literature published after 1944, with the title in the original language preceded by its English translation: Part B lists periodicals published after 1946; Part C constitutes a subject guide to both the monographs and periodical articles listed in Parts A and B.

AGRICULTURE

USSR INDUSTRIAL DEVELOPMENT: SOVIET TRACTORS AND AGRICULTURAL MACHINERY NO. 116. 6 Mar 64, 21p JPRS: 23537.
Order from OTS $0.75 TT-64-21722

Consists of 3 articles from 1963 issues of Russian journals.

Separate entries have been prepared for the individual articles.

Ezhevskii, A. A.
OVERALL MECHANIZATION IS AN IMPORTANT MEANS FOR THE INTENSIFICATION OF AGRICULTURAL PRODUCTION. USSR Industrial Development: Soviet Tractors and Agricultural Machinery No. 120. 20 Mar 64, 8p JPRS: 23773.
Order from OTS $0.50 TT-64-21844

Trans. from Sel'skaya Zhizn' (USSR) 1964, no. 35, 11 Feb, p. 4-5.

Hillwig, Artur.
REED CUTTING MACHINE ATTACHMENT FOR DISTRIBUTING FERTILIZERS IN WATERS
G. E., tr. 18 Dec 63, 4p (figs omitted)
Order from OTS, SLA, or ETC $1.10 TT-64-13584

Trans. of East German patent 23,246, cl. 45b/27, appl 6 Dec 58, granted 1 Jun 62. (Abstract available)

Marakhtanov, K. P. and Musinov, L. N.
NEW AGRICULTURAL TECHNOLOGY. 6 Mar 64, 9p JPRS: 23537 (p. 13-21).
Order from OTS $0.75 in TT-64-21722 (p. 13-21)

Trans. of Fizika v Shkole (USSR) 1963 [v. 23] no. 5, p. 6-18.

Petrenko, N. P.
SKD-2 BEET HARVESTING COMBINE. 6 Mar 64, 4p JPRS: 23537 (p. 9-12).
Order from OTS $0.75 in TT-64-21722 (p. 9-12)

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Serebryakov, I. N., Libtsis, S. E., and Vasernis, A. I.
NEW TRACTORS. 6 Mar 64, 8p JPRS: 23537 (p. 1-8).
Order from OTS $0.75 in TT-64-21722 (p. 1-8).

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Animal Husbandry

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THE USE OF ANTI-FMD (FOOT-AND-MOUTH DISEASE) GNKI DRY VIRUS VACCINE (Primenenie Protiv Yashchura Sukhoi Virusvaktsiny GNKI). 11 Dec 63, 2p Trans. V-1878.
Order from OTS, SLA, or ETC $1.10 TT-64-13135

Trans. of Veterinariya (USSR) 1963, v. 40, no. 8, p. 15-16.

Andriyan, E. A.
SANITATION OF THE FARM FROM PORCINE LEPTOSPIROSIS (Ozdorovlenie Khozyaistva ot Leptospiroza Svinei). 20 Dec 63, 2p Trans. V-1881.
Order from OTS. SLA, or ETC $1.10 TT-64-13145

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Bakaeva, O. A. and Ostrovskaya, N. N.
DETECTION OF BRUCELLOSIS ANTIGEN IN SERUM OF EXPERIMENTAL ANIMALS EARLY IN THE DEVELOPMENT OF INFECTION. Jan/Feb 64, 3p 16refs
Order from FASEB $2.00 in Federation Proceedings Translation Supplement, 1964, v. 23, no. 1 (p. T79-T81)

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PORCINE LEPTOSPIROSIS IN THE ALTAISKII KRAI (Leptospiroz Svinei v Altaiskom Krae). 19 Dec 63, 1p Trans. V-1884.
Order from OTS, SLA, or ETC $1.10 TT-64-13143

Trans. of Veterinariya (USSR) 1963, v. 40, no. 8, p. 26

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PASSIVE IMMUNIZATION REDUCES LOSSES FROM FOOT-AND-MOUTH DISEASE (Passivnaya Immunizatsiya Snizhaet Poteri ot Yashchura). 12 Dec 63, 2p Trans. V-1880.
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Fomin, Yu. V.
USE OF GAMMA-GLOBULIN FOR PROPHYLAXIS OF INFECTIOUS ATROPHIC RHINITIS IN SWINE (Primenenie Gamma-Globulina dlya Profilaktiki Infektsionnogo Atroficheskogo Rinita Svinei) 27 Dec 63, 2p Trans. V-1887.
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POST-VACCINAL IMMUNITY AGAINST FMD IN YOUNG CATTLE (Postvaktsinal'nyi Immunitet Protiv Yashchura u Molodnyaka Krupnogo Rogatogo Skota). [1963] 2p Trans. V-1893.
Order from OTS, SLA, or ETC $1.10 TT-64-13572

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Ipatenko, N. G.
AN EXPERIMENT IN FMD (FOOT-AND-MOUTH DISEASE) ERADICATINO IN THE CENTRAL REGIONS (Opyt Likvidatsii Yashchura v Oblastyakh Tsentra). 11 Dec 63, 3p Trans. V-1879.
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ABSORTIONS OF LEPTOSPIROSIS ETIOLOGY IN SWINE (Aborty u Svinei Leptospiroznoi Etiologii). 19 Dec 63, 1p Trans. V-1882.
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Kapitanaki, M. V., Semenyuk, R. K., Fedorchenko, E. A., and Gracheva, M. I.
DATA ON THE DIAGNOSIS OF ANTHRAX IN CATTLE AND SHEEP (K Diagnostike Sibirskoi Yazvy u Krupnogo Rogatogo Skota i Ovets) 4 Nov 63, 3p Trans. V-1866.
Order from OTS, SLA, or ETC $1.10 TT-63-24440

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Kosilov, I. A.
EVALUATION OF IMMUNOBIOLOGICAL REACTIONS IN SHEEP IMMUNIZED WITH VACCINE STRAIN 19 (Otsenka Immunobiologicheskikh Reaktsii u Ovets, Immunoizirovannykh Vaktsionoi Shtamma 19). 19 Nov 19 Nov 63, 5p Trans. V-1874.
Order from OTS, SLA, or ETC $1.10 TT-63-24392

Trans. of Veterinariya (USSR) 1963, v. 40, no. 7, p. 32-34. (Abstract available)

Kozlovskii, G. A.
EXPERIENCES IN FOOT-AND-MOUTH DISEASE (FMD) ERADICATION (Opyt Likvidatsii Yashchura) 20 Jan 64, 12p Trans. V-1891.
Order from OTS, SLA, or ETC $1.60 TT-64-13539

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GROUP VACCINATION OF PIGLETS WITH ASSOCIATED VACCINE AGAINST HOG CHOLERA AND ERYSIPELAS (Gruppovaya Vaktsinatsiya Porosyat Assotsiirovannoi Vaktsinoi Protiv Chumy i Rozhi). 11 Dec 63, 7p Trans. V-1876.
Order from OTS, SLA, or ETC $1.10 TT-64-13137

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Leutskaya, Z. K.
EFFECT OF VITAMIN A ON ANTIBODY FORMATION IN CHICKS FOLLOWING IMMUNIZATION WITH ANTIGEN FROM THE NEMATODE ASCARIDIA GALLI. 12 Mar 64, 6p 14refs JPRS: 23650.
Order from OTS $0.50 TT-64-21777

Trans. of Akademiya Nauk SSSR. Doklady, 1963, v. 153, no. 1, p. 243-245.

Lobanov, K. P. and Epifanov, G. F.
ERADICATION OF HOG CHOLERA IN OMSK OBLAST (Likvidatsiya Chumy Svinei v Omskoi Oblasti). 18 Nov 63, 21 Trans. V-1873.
Order from OTS, SLA, or ETC $1.10 TT-63-24391

Trans. of Veterinariya (USSR) 1963, v. 40, no. 7, p. 25-26.

Lukin, A M.
THE ROLE OF IXODES TICKS IN FOOT-AND-MOUTH DISEASE (FMD) EPIZOOTIOLOGY (Rol' Iksodovykh Kleshchei v Epizootologii Yashchura) 15 Jan 64, 4p Trans. V-1892.
Order from OTS, SLA, or ETC $1.10 TT-64-13348

Trans. of Veterinariya (USSR) 1963, v. 40, no. 11, p. 28-30.

Novikov, S.
CRIMEAN WONDER (Krymskoe Chudo) 31 Oct 63, 7p (figs omitted) Trans. A-1409.
Order from OTS, SLA, or ETC $1.10 TT-63-24439

Trans. of Nauka i Zhizn' (USSR) 1963, v. 30, no. 6, p. 24-29.

Ogryzkov, S. E.
THE COURSE OF FOOT-AND-MOUTH DISEASE IN REINDEER (O Techenii Yashchura u Severnykh Olenei). 6 Feb 64, 2p Trans. A-1425.
Order from OTS, SLA, or ETC $1.10 TT-64-13639

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Petrenko, B. G., Andreev, E. V., Rotov, V. I., Tolstyak, I. E., and Konozenko, P. A.
ANTI-FOOT-AND-MOUTH DISEASE BLOOD CRYSTAL VIOLET VACCINE (Krovyanaya Kristallvioletovaya Protivoyashchurnaya Vaktsina). 18 Nov 63, 3p Trans. V-1870.
Order from OTS, SLA, or ETC $1.10 TT-63-24388

Trans. of Veterinariya (USSR) 1963, v. 40, no. 7, p. 9-10.

Pogonyailo, M. G.
ERADICATION OF HOG CHOLERA AMONG SUCKLING PIGS OF AUTUMN-WINTER FARROWS (Likvidatsiya Chumy Sredi Porosyat-Sosunov Osenne-Zimnego Oporosa) 14 Jan 64, 2p Trans. V-1894.
Order from OTS, SLA, or ETC $1.10 TT-64-13346

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EAST EUROPEAN SCIENTIFIC ABSTRACTS: BIOLOGY AND MEDICINE NO. 30. 29 Feb 64, 31p JPRS: 23478.
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Consists of abstracts of articles from selected scientific and technical journals of Czechoslovakia and Hungary.

APPLICATION OF CYBERNETICS IN MEDICINE. 25 Mar 64, 16p JPRS: 23854.
Order from OTS $0.50 TT-64-21886

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FEDERATION PROCEEDINGS TRANSLATION SUPPLEMENT, VOL. 23, NO. 2, PT. II, P. T210-T432. Mar/Apr 63, 1v.
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FTD-TT-63-830.
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Trans. of #Tsitologiya (USSR) 1962, v. 4, no. 5, p. 499ff.

FEDERATION PROCEEDINGS TRANSLATION SUPPLEMENT, VOL. 23, NO. 1, PT. II, P. T3-T208. Jan/Feb 64, 1v.
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EAST EUROPEAN SCIENTIFIC ABSTRACTS: BIOLOGY AND MEDICINE NO. 41. 25 Mar 64, 18p JPRS: 23857.
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Consists of abstracts of articles from selected scientific and technical journals of Czechoslovakia.

EAST EUROPEAN SCIENTIFIC ABSTRACTS: BIOLOGY AND MEDICINE NO. 38. 20 Mar 64, 11p JPRS: 23778.
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Consists of abstracts of articles from selected scientific and technical journals of Czechoslovakia and Rumania.

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STUDIES ON FISH CULTURE IN FILTERED CLOSED-CIRCULATION AQUARIA: FUNDAMENTAL THEORY AND SYSTEM DESIGN STANDARDS
E. R. Hope, tr. Jan 64, 15p 15refs DSIS-T-77-J.
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Trans. of Promyshlennost' Armenii (USSR) 1963 [v. 6] no. 9, p. 75-77.

PROCESS FOR THE PRODUCTION OF A POTASSIUM-MAGNESIUM CHEMICAL FERTILISER BY CARNALLITE-KIESERITE FLOTATION. 1963, 800words
Order from TTIS $8.00 TTIS NS 153

Trans. of Polish patent 47,067, by Instytut Chemii Nieorganicznej, app. 17 May 62, pub. 31 Jul 63.

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USSR INDUSTRIAL DEVELOPMENT: SOVIET CHEMICAL INDUSTRY NO. 142. 27 Jan 64, 28p JPRS: 22906.
Order from OTS $0.75 TT-64-21390

Trans. of 4 selected articles from Nov 63 issues of Russian journals and newspapers.

Separate entries have been prepared for 3 articles.

USSR INDUSTRIAL DEVELOPMENT: SOVIET CHEMICAL INDUSTRY NO. 150. 11 Mar 64, 22p JPRS: 23638.
Order from OTS $0.75 TT-64-21770

Consists of 6 articles from Jan 64 issues of Russian journals and newspapers.

USSR INDUSTRIAL DEVELOPMENT: SOVIET CHEMICAL INDUSTRY NO. 151. 12 Mar 64, 12p JPRS: 23652.
Order from OTS $0.50 TT-64-21778

Trans. of 4 selected articles from Jan 64 issues of various Russian newspapers. (Abstract available)

USSR INDUSTRIAL DEVELOPMENT: SOVIET CHEMICAL INDUSTRY NO. 152. 13 Mar 64, 35p JPRS: 23668.
Order from OTS $1.00 TT-64-21787

Trans. of 16 selected articles from Jan-Feb 64 issues of various Russian newspapers.

Separate entries have been prepared for 3 articles.

Basov, A. N., Guttsait, Z. I., Zlotnikova, L. G., and Yudaeva, G. V.
CHANGES IN THE METHODS OF PETROLEUM PRODUCT COST CALCULATION. [Jan 64] 7p
Order from ATS $8.65 ATS-60Q72R

Trans. of Khim[iya] i Tekhnol[ogiya] Topliv i Masel (USSR) 1963, v. 8, no. 5, p. 42-46.

Beremzhanov, B. A.
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Order from OTS $0.50 TT-64-21793

Trans. of Vestnik Vysshei Shkoly (USSR) 1958 [v. 16] no. 1, p. 38-41.

Budagyan, S. A. and Tovbin, I. M.
KALUGA PERFUME COMBINE. 27 Jan 64, 8p JPRS: 22906 (p. 9-16)
Order from OTS $0.75 in TT-64-21390 (p. 9-16)

Trans. of Masloboino-Zhirovaya Promyshlennost' (USSR) 1963 [v. 29] no. 11, p. 29-32.

Ciborowski, J. and Bondzynski, M.
FREE FLOW OF LOOSE MATERIAL THROUGH A HOLE IN THE CONICAL BOTTOM OF A VESSEL. 13 Jan 64, 14p 28refs JPRS: 22715 (p. 32-45)
Order from OTS $3.00 in TT-64-21276 (p. 32-45)

Trans. of #Inzhenerno-Fizicheskii Zhurnal (USSR) 1963, v. 6, no. 7, p. 26-35. (Abstract available)

Eigen, H.
ADVANCES IN HEAT ECONOMY DURING CEMENT ROASTING IN ROTARY KILNS. Jan 64, 5150words
Order from LSA $52.00

Trans. of Radex-Rundschau (Austria) 1962, no. 4, p. 199-210.

Fauzi, M. A., Kartinin, B. N., and Chernozhukov, N. I.
INVESTIGATION OF THE EFFECT OF DEWAXING CONDITIONS ON THE CHARACTER OF THE CRYSTALLIZATION OF THE SOLID HYDROCARBONS OF RESIDUAL OILS. [Jan 64] 8p
Order from ATS $10.75 ATS-92Q72R

Trans. of Izv[estiya] Vysshikh Uchebn[ykh] Zavedenii. Neft' i Gaz (USSR) 1963, v. 6, no. 3, p. 59-64.

Il'ina, A. A.
USE OF LUMINESCENCE SPECTROSCOPY FOR STUDYING FRACTIONS OF BITUMENS AND CRUDE OIL. [1964] 4p
Order from ATS $5.75 ATS-62Q72R

Trans. of #Zavodskaya Laboratoriya (USSR) 1963, v. 29, no. 5, p. 565-567.

Marpillero, Paul.
THE PROCESSES OF SEMICHEMICAL CELLULOSES IN THE FIELD OF WOODY SUBSTANCES AND ANNUAL PLANTS. [1963] 17p
Order from SLA $1.60 TT-64-10783

Trans. of Industria della Carta (Italy) 1950, v. 4, p. 44-51.

Medovar, B. I.
ELECTROSLAG SMELTING FOR USE IN MACHINE BUILDING. USSR Industrial Development: Soviet Chemical Machine Building no. 43. 18 Mar 64, 5p JPRS: 23739.
Order from OTS $0.50 TT-64-21824

Trans. of Mashinostroenie (USSR) 1963, no. 5, p. 78-81.

Sarkits, V. B., Traber, D.G., and Mukhlenov, I. P.
GAS MIXING AND THE CHARACTER OF SOLID PHASE MOTION IN THE SUSPENDED LAYER. [1963] 11p 11refs
Order from OTS, SLA, or ETC $1.60 TT-64-10681

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Tamarin, A. I.
ON THE ORIGIN OF SELF-OSCILLATIONS IN A FLUIDIZED BED. 13 Jan 64, 9p 9refs JPRS: 22715 (p. 23-31)
Order from OTS $3.00 in TT-64-21276 (p. 23-31)

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Tsiklis, D. S. and Borodina, M. D.
HYDROGEN CYANIDE FORMATION BY ADIABATIC COMPRESSION OF MIXTURES METHANE-AMMONIA. [1963] 5p 6refs
Order from OTS, SLA, or ETC $1.10 TT-64-10707

Trans. of Akad[emiya] Nauk SSSR. Dokl[ady] 1962, v. 147 [no. 4] p. 860-862. (Abstract available)

Ustimenko, I.
NAVOINSKII CHEMICAL COMBINE. 27 Jan 64, 6p JPRS: 22906 (p. 23-28)
Order from OTS $0.75 in TT-64-21390 (p. 23-28)

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Civil Engineering

NEW CORROSION RESISTANT CONCRETE FOR CANALIZATION. Jan 64, 3200words
Order from LSA $32.35

Trans. of [le] Genie Civil (France) 1960, v. 137, 1 Nov, p. 453-457.

Ashenkampf, L.
FOOTINGS FOR SURFACE WATER CONDUITS (Opory dlya Nadzemnykh Vodovodov)
G. C. M., tr. 16 Dec 63, 3p (figs omitted) I-3907.
Order from OTS, SLA, or ETC $1.10 TT-64-13630

Trans. of Na Stroikakh Rossii (USSR) 1962 [v. 3] no. 10, p. 19.

Kim, M. V.
INSTALLATION OF MUNICIPAL ENGINEER UTILITIES IN PERMA-FROST SOIL IN NORIL'SKE (Prokladka Gorodskikh Inzhenernykh Kommunikatsii na Vechnmerzlykh Gruntakh v Noril'ske)
J. J. R., tr. 16 Dec 63, 6p (figs omitted) 2refs I-3905.
Order from OTS, SLA, or ETC $1.10 TT-64-13628

Trans. of Vodosnabzhenie i Sanitarnaya Tekhnika (USSR) 1963, no. 7, p. 11-13.

Electrical and Electronic Engineering

HERALD OF COMMUNICATIONS, 1963 [VOL. 23] NO. 10(283). 13 Jan 64, 147p JPRS: 22699.
Order from OTS $3.00, $18.00/year TT-64-21264

Trans. of Vestnik Svyazi (USSR) 1963 [v. 23] no. 10(283) including covers.

For table of contents see the "Periodicals Translated Cover-to-Cover" section of this issue.

PIEZOELECTRIC MICROPHONE
L. A. N., tr. 13 Feb 64, 6p (figs omitted)
Order from OTS, SLA, or ETC $1.10 TT-64-13783

Trans. of Swiss patent 240,251, cl. 69, appl. 28 Jul 44, granted 15 Dec 45, pub. 1 Apr 46, by Synton Aktiengesellschaft.

USSR INDUSTRIAL DEVELOPMENT: SOVIET ELECTRICAL EQUIPMENT NO. 87. 10 Feb 64, 24p JPRS: 23162.
Order from OTS $0.75 TT-64-21526

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Biermanns, J.
COMPRESSED GAS CIRCUIT BREAKERS (Druckgasschalter). [1963] [31p]
Order from SLA $3.60 TT-64-10350

Trans. of [ETZ] Elektrotechnische Zeitschrift. [Ausgabe A. Zentralblatt für Elektrotechnik] (West Germany) 1953, v. 74 [no. 10] p. 281-289.

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THE EFFECT OF THE CURVATURE OF RECTANGULAR WAVEGUIDES ON THE PHASE CONSTANT OF ULTRAHIGH FREQUENCIES. [1963] 47p .9refs
Order from SLA $4.60 TT-64-14647

Trans. of Elektrische Nachrichten-Technik (Germany) 1939, v. 16, no. 3, p. 73-85.

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Order from SLA $6.60 TT-64-14632

Trans. of Câbles et Transmission (France) 1963, v. 17, no. 3, p. 179-206.

Iwanovsky, Arsen, reviewer.
THE DEVELOPMENT OF ELECTRONICS IN THE USSR. Progress rept. 1/1959 based on Soviet open literature Jan-Mar 59. [1960] [164p] 60refs AID Rept. 60-95A; AD-275 252.
Order from OTS, SLA, or ETC $12.00 TT-64-15154

Kalachev, P. D.
SOME CONSTRUCTIVE POSSIBILITIES FOR THE DEVELOPMENT OF A RIGID PARABOLIC AERIAL OF LARGE DIAMETER (Nekotorye Konstruktivnye Vozmozhnosti Sozdaniya Zhestkoi Parabolicheskoi Antenny Bol'shogo Diametra)
P. A. Kazakov, tr. [1963] [9p] (foreign text included) 3refs [CSIRO]
Trans. no. 6601
Order from OTS, SLA, or ETC $1.10 TT-64-13304

Trans. of #Izvestiya Vysshikh Uchebnykh Zavedenii. Radiofizika (USSR) 1963, v. 6, no. 2, p. 398-401. Another trans. is available from OTS $6.00 in TT-63-41139, JPRS-21869 (p. 395-402).

Krongauz, Yu. S. and Rabinovich, S. I.
SHUNT REACTORS (Shuntiruyushchie Reaktory)
A. A. Osipovich, tr. Mar 63 [15p]
Order from OTS, SLA, or ETC $1.60 TT-64-13713

Trans. of mono. Dalnayaya Elektroperedacha Volzhskaya GES imeni V. I. Lenina, Moscow, 1958, pt. 3, p. 336-340.

Kurth, C.
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Order from SLA $2.60 TT-64-14626

Trans. of Frequenz (West Germany) 1963, v. 17, no. 5, p. 189-200.

Meinke, H.
HIGH LINEARITY DEMODULATION FOR FREQUENCY MODULATED OSCILLATIONS. [1963] 28p 9refs
Order from SLA $2.60 TT-64-14649

Trans. of [NTZ; Nachrichtentechnische Zeitschrift] (West Germany) 1953, v. 6, no. 12, p. 571-577.

Mel'nikov, M. A. and Obukhov, V. I.
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Stuart W. Kellogg, tr. Aug 63 [11p] 9refs
AmMetSoc T-R-409+ ; AD-421 985; N64-14692.
Contract AF19(604)6113
Order from OTS, SLA, or ETC $1.60 TT-63-24429

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Energetika (USSR) 1963 [v. 6] no. 1, p. 99-102.

Nagornyi, P. Ya.
ANALYSIS AND SYNTHESIS OF AMPLIFIER CIRCUITS. 10 Feb 64 [316p] 42refs FTD-TT-63-1011.
Order from OTS, SLA, or ETC $19.75 TT-64-13947

Unedited rough draft trans. of mono. Analiz i Raschet Usilitel'nykh Skhem, Kiev, 1963, 244p. (Abstract available)

Novikov, V. V.
THE RTA-60 PAGE TELETYPE. 28 Mar 64, 10p JPRS: 23836.
Order from OTS $0.50 TT-64-21876

Trans. of mono. Inzhenerno-Tekhnicheskii Spravochnik po Elektrosvyazi: Telegrafiya (Engineering and Technical Manual on Electrocommunication: Telegraphy) Moscow, 1963, p. 222-229.

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THE 60 CHANNEL UNDERWATER TELEPHONE CONNECTION BETWEEN THE CONTINENT AND SARDINIA. [1963] 37p 4refs
Order from SLA $3.60 TT-64-14719

Trans. of [Elettrotecnica (Italy) 1961, v. 48, p. 217-226]. (Abstract available)

Polovko, A. M. and Zainashev, M. K.
ON INCREASING THE RELIABILITY OF AN APPARATUS BY MEANS OF COMBINING GENERAL HOLDING IN RESERVE BY REPLACEMENT AND SEPARATE RESERVING WITH A CONSTANTLY CONNECTED RESERVE. 8 Jan 64, 14p 8refs JPRS: 22648 (p. 226-239).
Order from OTS $5.00 in TT-64-21231 (p. 226-239)

Trans. of Akademiya Nauk SSSR. Otdelenie Tekhnicheskikh Nauk. Izvestiya: Tekhnicheskaya Kibernetika, 1963, no. 5 [p. 141-148]. (Abstract available)

Valeev, Kh. S. and Esikov, Yu. G.
INSULATOR DISCHARGE VOLTAGE AT HIGH RELATIVE HUMIDITY A. A. Osipovich, tr. [1963] [10p] 6refs
Order from OTS, SLA, or ETC $1.10 TT-64-13112

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Yudin, E. E.
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H. H., tr. 22 Jan 64, 2p I-3944.
Order from OTS $0.50 TT-64-11586

Trans. of description of invention for author's certificate (patent) no. 147380, cl. 42g 205 21c, 46_{50}, subscription gr. no. 178, submitted 28 Sep 61 as no. 745969/24-6 (pub. in [Byulleten' Izobretenii i Tovarnykh Znakov] (USSR) 1962, no. 10).

Mechanical Engineering

Bunin, O. A.
HEAT TRANSFER AND HYDRAULIC RESISTANCE OF CALORIFIERS WITH WOUND-ON FINS (Teploperedacha i Gidravilicheskoe Soprotivlenie Kaloriferov s Navivnymi Rebrami). Nov 63 [8p] 3refs RTS-2365.
Order from OTS, SLA, or ETC $1.10 TT-64-13386

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Energetika (USSR) 1960 [v. 3] no. 8, p. 98-101.

Dem'yankov, M. V.
THE USE OF EVAPORATIVE CONDENSERS (Ekspluatatsiya Isparitel'nykh Kondensatorov). Feb 64 [5p] RTS-2423.
Order from OTS, SLA, or ETC $1.10 TT-64-13737

Trans. of Kholodil'naya Tekhnika (USSR) 1961, v. 38, no. 5, p. 59-60.

Sanitation and Safety Engineering

Hensch, K.
TEXTILE PROPERTIES OF SAFETY BELTS AND METHODS OF TESTING THEM. [1963] 19p (figs omitted) 4refs
Order from SLA $1.60 TT-64-10390

Trans. from Zeitschrift für die [Gesamte] Textil-Industrie (West Germany) 1963, v. 65, no. 6, (Abstract available)

Karpov, E. F. and Kravchenko, V. S.
INVESTIGATION OF A THERMO-CATALYTIC PRINCIPLE OF DETECTING METHANE IN A MINE ATMOSPHERE [Issledovanie Termokataliticheskogo Printsipa Detektirovaniya Metana v Rudnichnoi Atmosfere). [1963] 15p 5refs
Order from OTS, SLA, or ETC $1.60 TT-64-14747

Trans. of A[kademiya] N[auk] SSSR. O[tdelenie] T[ekhnicheskikh] N[auk]. Izv[estiya]: Metall[urgiya] i Toplivo] 1959, no. 5, p. 174-184.
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Kol'kovskii, Peter.
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Order from SLA $1.60 TT-64-10375

Trans. of Khimiya i Industriya (Bulgaria) 1963, v. 35, no. 2, p. 65-68. (Abstract available)

Vasilevskaya, O. V., reviewer.
DISINFECTION OF DRINKING WATER: REVIEW OF MONO. "OBEZZARAZHIVANIE PIT'EVOI VODY". 13 Jan 64, 6p JPRS: 22711 (p. 145-150).
Order from OTS $3.00 in TT-64-21273 (p. 145-150)

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FOOD, HANDLING, AND PACKAGING EQUIPMENT

Food

BIOCHEMISTRY OF APPLES: SELECTED ARTICLES. 1964, 35p PL-480 Agr.
Order from OTS $0.50 TT-63-11085

Consists of 6 articles from 1952-58 issues of Russian journals.

Separate entries have been prepared for the individual articles.

RECENT DEVELOPMENTS IN NUTRITION. 30 Dec 63 22p JPRS: 22493.
Order from OTS $0.75 TT-64-21148

Trans. of mono. Vorposy Pitaniya (Problems on Nutrition) Kiev, 1962, p. 78-81, 85-87, 200-205.

Separate entries have been prepared for the individual articles.

RECOVERY OF FATS FROM FAT EMULSIONS, PARTICULARLY BUTTER AND CREAM. [1963] 2p
Order from SLA $1.10 TT-64-14106

Trans. of [Seifen-Öle-Fette-Wachse] (Germany) 1937 [v. 64] 19 May, p. 358 (German patent 622,100, 1934).

Antonovich, E. A. and Lapchenko, V. S.
STUDYING THE INFLUENCE OF IONITE MILK MADE WITH THE KU-1 CATIONITE ON LABORATORY ANIMALS. 30 Dec 63, 8p JPRS: 22493 (p. 10-17)
Order from OTS $0.75 in TT-64-21148 (p. 10-17)

Trans. of mono. Voprósy Pitaniya (Problems on Nutrition) Kiev, 1962, p. 200-205. (Abstract available)

Metlitskii, L. V. and Tsekhomskaya, V. M.
THE PREVENTION OF FUNCTIONAL DISTURBANCES IN APPLES DURING STORAGE (Funktsionnal'nye Rasstroistva u Yablok pri Khranenii i Mery Bor'by s Nimi). 1964, 14p 20refs PL-480 Agr.
Order from OTS $0.50 in TT-63-11085 (p. 22-35)

Trans. of Biokhimiya Plodov i Ovoshchei (USSR) 1958, v. 4, p. 42-50. (Abstract available)
Another trans. is available from LC or SLA mi$2.40, ph$3.30 as TT-59-22481, DSIR-LLU-M.413, Apr 59, 14p.

Pekkarinen, L. and Porkka, E.
STUDIES ON THE AGING OF ROASTED COFFEE BY MEANS OF THE DETERMINATION OF VOLATILE REDUCING SUBSTANCES. [Jan 64] 10p
Order from ATS $14.25 ATS-19Q74G

Trans. of Z[eitschrift für] Lebensm[ittel]-Untersuch[ung und] -Forsch[ung] (West Germany) 1963, v. 120, no. 4, p. 277-286.

Sadler, Hans and Kretschy, Erich.
IMPROVED PROCESSES FOR OBTAINING BEATABLE ALBUMIN STARTING FROM YEAST
J. R -P., tr. 11 Oct 63, 4p
Order from OTS, SLA, or ETC $1.10 TT-63-24410

Trans. of French patent 979,406, gr. 2, cl. 4, appl. 24 Jan 49, patent granted 6 Dec 50, pub. 26 Apr 51 (Priority claimed: Austria, 23 Feb 48).

Skoropostizhnaya, A. S., Yakovleva, O. N., and Boreiko, V. T.
IONITE MILK: A NEW-PRODUCT FOR FEEDING YOUNG CHILDREN. 30 Dec 63, 5p JPRS: 22493 (p. 1-5)
Order from OTS $0.75 in TT-64-21148 (p. 1-5)

Trans. of mono. Voprosy Pitaniya (Problems on Nutrition) Kiev, 1962, p. 78-81. (Abstract available)

Thaler, H. and Gaigl, R.
STUDIES ON COFFEE AND COFFEE SUBSTITUTE. PT. 8. THE BEHAVIOR OF NITROGENOUS COMPOUNDS DURING THE ROASTING OF COFFEE. [Jan 64] 8p
Order from ATS $10.65 ATS-27Q74G

Trans. of Z[eitschrift für] Lebensm[ittel] -Untersuch[ung und] -Forsch[ung] (West Germany) 1963, v. 120, no. 5, p. 357-363.

Thaler, H. and Gaigl, R.
STUDIES ON COFFEE AND COFFEE SUBSTITUTE. [PT.]9. NITROGENOUS SUBSTANCES IN COFFEE EXTRACTS. [Jan 64] 7p
Order from ATS $11.45 ATS-28Q74G

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Yakovleva, O. N.
A METHOD FOR OBTAINING DEXTRIN-MALTOSE SYRUPS FOR INFANTS FORMULAS AND IONITE MILK. 30 Dec 63, 4p JPRS: 22493 (p. 6-9)
Order from OTS $0.75 in TT-64-21148 (p. 6-9)

Trans. of mono. Voprosy Pitaniya (Problems on Nutrition) Kiev, 1962, p. 85-87.

Packaging

Heiss, R.
INVESTIGATION OF THE REQUIREMENTS PLACED ON FREEZER PACKAGING. REPT. 2. PERMEATION OF GASES AND VAPORS. [1963] 14p (fig formulae omitted)
Order from SLA $1.60 TT-63-20864

Trans. of Verpackungsrundschau (West Germany) 1963 [v. 14] no. 6 [p. 43-49.]

MACHINERY, FABRICATION, AND ACCESSORY EQUIPMENT

APPARATUS FOR MANUFACTURING METAL PARTS SUCH AS SHELL FUSES BY PRECISION DIE STAMPING (Dispositif pour la Fabrication, par Matriçage de Précision, de Pieces Métalliques Telles que des Fusees d'Obus). [1963] [6p] (foreign text included)
Order from OTS, SLA, or ETC $1.10 TT-64-10381

Trans. of French patent 863,445, appl. 16 Feb 40, granted 2 Jan 41, pub. 1 Apr 41, by Société de Boulonnerie et de Matriçage de Précision (BOMAP). (Abstract available)

USSR INDUSTRIAL DEVELOPMENT: GENERAL INFORMATION ON SOVIET MACHINERY INDUSTRIES NO. 12. 10 Feb 64, 28p JPRS: 23148.
Order from OTS $1.00 TT-64-21521

Trans. of 31 selected articles from Oct 63-Jan 64 issues of 16 Russian journals and newspapers.

USSR INDUSTRIAL DEVELOPMENT: SOVIET CONSTRUCTION MACHINERY NO. 53. 13 Mar 64, 34p JPRS: 23684.
Order from OTS $1.00 TT-64-21795

Consists of 42 articles from Nov 63-Feb 64 issues of Russian journals and newspapers.

Separate entries have been prepared for 8 articles.

Bohnen, J. K.
STEEL TUBE DRAWING INSTALLATIONS. I. THE TUBE DRAWING PROCESS. II. AUTOMATIC TUBE DRAWING MACHINES. Nov 63.
Order from BISI £10 BISI-3373

Trans. of Bänder, Bleche, Rohre (West Germany) 1963, [no. 5] p. 226-232; [no. 6] p. 305-314. (Abstract available)

Dietrich, Theo.
INFLEUNCE OF INDIVIDUAL STAND SPEED ON THE ROLLING PROCESS IN THE CONTINUOUS ROLLING OF LARGE SECTIONS (Einfluss der Drehzahlstufung auf das Kontinuierliche Walzen Grosser Walzgutquerschnitte). [1963] [43p] (foreign text included) 3refs
Order from SLA $4.60 TT-64-14438

Trans. of Stahl und Eisen (West Germany) 1963, v. 83, no. 18, p. 1107-1116 [Max Planck Institut für Eisenforschung (West Germany). Communication-950] [Verein Deutscher Eisenhüttenleute (West Germany). Berichte-297].
Another trans. is available from BISI £5 15s as BISI-3432, Nov 63,

Garas'ko, B. M. and Kostrov, L. A.
DESCRIPTION OF NEW K-2, 5-2 TRUCK CRANE: EXCERPT. 13 Mar 64, 1p JPRS: 23684 (p. 24).
Order from OTS $1.00 in TT-64-21795 (p. 24)

Trans. of Stroitel'nye i Dorozhnye Mashiny (USSR) 1964 [v. 9] no. 1, p. 9-11.

Gimpelev, A. G. and Vilenchik, E. M.
MODERNIZATION OF BKSM-5 TYPE TOWER CRANES: EXCERPT. 13 Mar 64, 2p JPRS: 23684 (p. 33-34).
Order from OTS $1.00 in TT-64-21795 (p. 33-34)

Trans. of Mekhanizatsiya Stroitel'stva (USSR) 1964 [v. 21] no. 2, p. 13-14.

Gol'din, A. Ya.
SELF-PROPELLED CANAL GRADING MACHINE: EXCERPT. 13 Mar 64, 1p JPRS: 23684 (p. 23)
Order from OTS $1.00 in TT-64-21795 (p. 23)

Trans. of Stroitel'nye i Dorozhnye Mashiny (USSR) 1964 [v. 9] no. 1, p. 4-6.

Hrasdira, Joseph.
WET PRESS FOR PAPER-MAKING, BOARD-MANUFACTURING AND DESICCATING MACHINES
L. H., tr. 18 Feb 64 2p (figs omitted)
Order from OTS, SLA, or ETC $1.10 TT-64-13772

Trans. of German patent 308,011, cl. 55d, gr. 20, pat. from 18 Jan 18, pub. 21 Sep 18.

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Order from OTS $2.75 TT-64-11044

Trans. of Swiss patents including patent number, class number, name and residence of patentee and patent owner, title, filing and priority date, and first claim. Excluded are those patents bearing priority dates from Australia, Austria, Canada, Great Britain, United States, and West Germany.

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NEW WARES: THE "MIR" PHOTOGRAPHIC APPARATUS [AND] PHOTOGRAPHIC OBJECTIVES TELEMAR-22, TAIR-11, AND YUPITER-6. 7 Jan 64 [5p] FTD-TT-63-1074.
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Order from OTS $1.00 TT-64-21093

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USSR INDUSTRIAL DEVELOPMENT: SOVIET REGIONAL ECONOMY NO. 90. 24 Dec 63, 53p JPRS: 22447.
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Trans. of 12 articles from Aug-Nov 63 issues of various Russian language publications.

Separate entries have been prepared for 4 articles.

USSR INDUSTRIAL DEVELOPMENT: SOVIET REGIONAL ECONOMY NO. 91. 26 Dec 63, 46p JPRS: 22461.
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Trans. of 13 selected articles from Sep-Nov 63 issues of various Russian publications.

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USSR INDUSTRIAL DEVELOPMENT: SOVIET REGIONAL ECONOMY NO. 105. 25 Mar 64, 25p. JPRS: 23846.
Order from OTS $0.75 TT-64-21880

Consists of 7 articles from Sep 63-Feb 64 issues of Russian journals and newspapers.

A separate entry has been prepared for 1 article.

USSR INDUSTRIAL DEVELOPMENT: SOVIET REGIONAL ECONOMY NO. 106. 26 Mar 64, 12p JPRS: 23872.
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Consists of 5 articles from Jan-Feb 64 issues of various Russian newspapers.

Ashimbaev, T.
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Order from OTS $1.50 in TT-64-21116 (p. 1-10)

Trans. of Partiinaya Zhizn' Kazakhstana (USSR) 1963 [v. 33] no. 8, p. 61-67.

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FOREIGN DEVELOPMENTS IN MACHINE TRANSLATION AND INFORMATION PROCESSING NO. 147. 23 Dec 63, 81p 20refs JPRS: 22415.
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Trans. of mono. Nekotorye Voprosy Mashinnogo Perevoda s Kitaiskogo Yazyka, Moscow, 1962, 88p.

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The following book reviews can be ordered by number from OTS or SLA for $1.10 each. Each review includes, in addition to the material shown, a detailed statement of the coverage of the book and detailed table of contents.

BR-SOV/6438
Bakut, P. A. &.others
PROBLEMS IN STATISTICAL THEORY OF RADAR (Voprosy statisticheskoy teorii radiolokatsii) v. 1. Moscow, Izd-vo Sovetskoye radio, 1963. 423 p. Errata slip inserted. 10,000 copies printed.

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Glushkov, Viktor Mikhaylovich, Adademician, Academy of Sciences UkrSSR, & others
THE "KIYEV" COMPUTER; A MATHEMATICAL DESCRIPTION (Vychislitel'naya mashina "Kiyev"; matematicheskoye opisaniye) Kiev, Gostekhizdat USSR, 1962. 183 p. 8000 copies printed.

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EPOXY COMPOUNDS AND THEIR APPLICATION (Epoksidnyye kompaundy i ikh primeneniye) 2d ed., rev.-and enl. Leningrad, Sudpromgiz, 1963. 254 p. Errata slip inserted. 3750 copies printed.

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INSULATION MATERIALS FOR THE PROTECTION OF MAIN PIPELINES FROM CORROSION (Izolyatsionnyye materialy dlya zashchity magistral'nykh truboprovodov ot korrozii) Moscow, Gostoptekhizdat, 1962. 150 p. Errata slip inserted. 2680 copies printed.

BR-SOV/6445
Udyma, Petr Grigor'yevich
CORROSION-RESISTANT PIPELINES MADE OF NON-METALLIC MATERIALS (Korrozionnostoykiye truboprovody iz nemetallicheskikh materialov) Moscow, Goskhimizdat, 1963. 219 p. (Series: Korroziya v khimicheskikh proizvodstvakh i sposoby zashchity, vyp. 20) Errata slip inserted. 6000 copies printed.

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CATALYTIC CRACKING OF PETROLEUM FEEDSTOCKS (Termokontaktnyy piroliz neftyanogo syr'ya) Baku, Azgiz, 1962. 223p. 500 copies printed.

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ELECTROCHEMISTRY OF GERMANIUM AND SILICON (Elektrokhimiya germaniya i kremniya) Moscow, Goskhimizdat, 1963. 180 p. Errata slip inserted. 5000 copies printed.

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[Polyarnye Siyaniya i Svechenie Nochnogo Neba: Sbornik Statei] (USSR) 1962, no. 8, 66p.

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Seisan Kenkyu (Japan) 1963, v. 15, no. 7, 168p.

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Handbuch der Physik (West Germany) 1958, v. 5, pt. 1, Prinzipien der Quanten-theorie I, 1-160.

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For basic list of Periodicals Translated Cover-to-Cover see Technical Translations Volume 11, Number 1.

This basic list is kept up-to-date by giving only changes in the subsequent issues of Technical Translations.

No changes are necessary for this issue.

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ACHIEVEMENTS OF MODERN BIOLOGY
1963, VOL. 56, NO. 2(5)

STUDIES ON ANIMAL AND PLANT CELLS

- USSR -

[Following are translations of four articles from the Russian-language journal Uspekhi Sovremennoy Biologii (Achievements of Modern Biology), Moscow, Vol 56, No 2(5), 1963. Full bibliographic reference is given with each article.]

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Vol. 27, No. 4 - April 1963

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EARTH SCIENCE SECTIONS

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(Vestnik Svyazi)

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- USSR -

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MARS

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PLANET MARS DISCUSSED IN POPULAR SCIENCE ARTICLES

- USSR -

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INTERNATIONAL COLLOQUIUM, LEIPZIG, 28-30 SEP 60

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U.S. DEPARTMENT OF COMMERCE FIELD OFFICES

SERVE THE BUSINESS COMMUNITY

The Department of Commerce maintains Field Offices to enable the business community to avail itself locally of Government facilities designed to promote commerce. Working closely with various units in the Department and, when necessary, with other Government agencies, the Field Offices provide business services to manufacturers, wholesalers, retailers, trade publications, trade associations, advertising agencies, research groups, financial institutions, and exporters and importers.

Experienced personnel will gladly assist in the solution of specific problems, explain the scope and meaning of regulations administered by the Department, and provide practical assistance in the broad field of domestic and foreign commerce. Field Offices act as official sales agents of the Superintendent of Documents, and maintain an extensive business reference library containing periodicals, directories, publications and reports from official as well as private sources.

Among the many services which businessmen have found of value are:

GENERAL

- Management and business aids
- Establishing a new business

BASIC ECONOMIC DATA

- Census data with national and often State and regional breakdowns, on manufacturing wholesaling, retailing, service industries, employment and unemployment, population, housing, agriculture
- Basic records of national income and product, regional trends, balance of payments, foreign aid

MARKETING AND DISTRIBUTION

- Development and maintenance of markets
- Distribution channels, facilities and services
- Marketing and distribution statistics

PRODUCTION

- Modernization of plant processes and other technological aids
- Development of new products
- Government-owned patents for free license
- Commodity standards

FOREIGN TRADE AND INVESTMENT

- Tariff and exchange regulations
- Import and export quotas, licensing regulations
- Statistics on imports and exports
- Investment and trade opportunities abroad
- Economic conditions in foreign countries

COOPERATIVE OFFICES

To make the services of the Department of Commerce more widely available, agreements have been entered into with more than 750 Chambers of Commerce, Manufacturers Associations, and similar business groups under which these organizations have become official Cooperative Offices of the Department. If specific information is not on hand in the Cooperative Office, your problem will be referred to the nearest Departmental field office.

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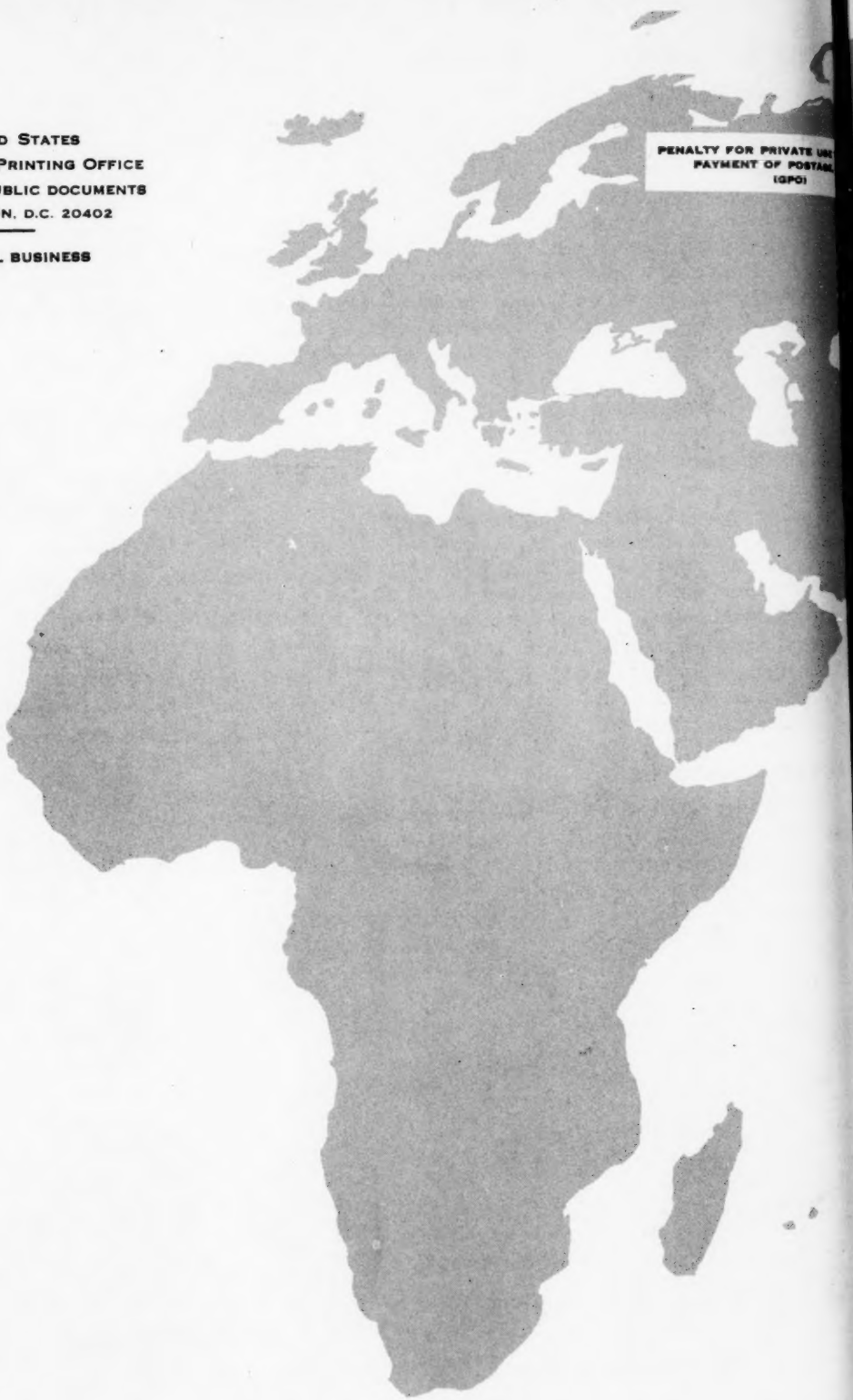
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